

**DEPARTMENT OF THE AIR FORCE
TECHNICAL ORDER**

TO 31P1-4-108-551
DATA CODE: 3117853
1 July 1997
Rescission date: 1 July 1999

**RETROFIT OF MASS STORAGE SUBSYSTEM, FIXED
DISK DRIVE UD5A5A2 AND UD41/A15A2; WSR-88D
DOPPLER METEOROLOGICAL RADAR**

NOTE

Military Commanders are responsible for bringing this technical order to the attention of all maintenance personnel cleared for access of affected system.

1. APPLICATION.

- 1.1 Identification. This Inspection/Replacement TCTO is applicable to all WSR-88D sites.
- 1.2 Kit Applicability by Model and Serial Number. Not applicable.
- 1.3 Proofing. Kit Proofing was accomplished at WSO Wichita, KS.

2. PURPOSE.

The purpose of this Routine Action TCTO is to inspect/replace the 182MB Fixed Disk Drive, Part No. 27-189F01M00R00, in the RDA and PUP SCSI Enclosure Assembly, UD5/UD105A5, and UD41/A15A2 with the new Part No. 27-204F00M00R00. The authority for this TCTO is ECP F0050.

3. WHEN TO BE ACCOMPLISHED.

Not later than 60 days after receipt of TCTO and kit. Failure to accomplish the work by expiration of compliance period or 60 days prior to rescission date will be justification for withdrawing the affected system from service until compliance is accomplished.

4. BY WHOM TO BE ACCOMPLISHED.

Organizational level personnel will accomplish this modification.

5. WHAT IS REQUIRED.

- 5.1 Supply-Information and Requirements.

Distribution Statement A - Approved for public release; distribution is unlimited.

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5.1.1 Kits/Parts/Material Required. The following parts makes up the kit for this modification. ***The OSF Logistics Section will ship, if required, the kit listed below to the NEXRAD maintenance facility at no cost.***

<u>Nomenclature</u>	<u>Part No.</u>	<u>NSN</u>	<u>QTY</u>
600MB Fixed Disk Drive	27-204F00M00R00	7025-01-387-3167	1
Federal Express Label	N/A	N/A	1
Tie Wraps, 100 per package	MS3367-2-9	5975-00-156-3253	1 package

5.1.2 Action Required on Items in Stock. Replace Fixed Disk Drive, Part No. 27-189F01M00R00, with Part No. 27-204F00M00R00.

5.1.3 Kits/Parts/Material Required to Modify Items in Stock. Replace Fixed Disk Drive, Part No. 27-189F01M00R00, with Part No. 27-204F00M00R00.

5.1.4 Disposition of Removed and Replaced Parts/Material. 182MB Fixed Disk Drive, Part No. 27-189F01M00R00, needs to be returned to the NRC, using the Federal Express label provided in kit to the following address:

National Reconditioning Center
1520 East Bannister Road
Kansas City, MO 64131

5.1.5 Drawings and Instructions Required. Not applicable.

5.1.6 Size and Weight of Kits/Parts/Materials. Size, weight, and cost are estimated.

<u>Size</u>	<u>Weight</u>	<u>Cost</u>
10 in x 8 in x 6 in	8 Pounds	\$702.63

5.1.7 Disposition of Kits/Parts/Materials. Not applicable.

5.2 Personnel Information and Requirement. The personnel performing this task will have maintenance and test experience with WSR-88D RDA and PUP. Two technicians are required for this procedure.

<u>Work Phases</u>	<u>AFSC Skills</u>	<u>Man-Hours</u>
Unpacking	2E051	0.1
Disassembly	2E051	1.85
Installation	2E051	0.40
Assembly	2E051	2.15
Operational Check	Not applicable	
	Total Man-Hours	4.5

5.3 Special Tools and Fixtures Required. Not applicable.

6. HOW WORK IS ACCOMPLISHED. Refer to attachment 1 for the RDA, and attachment 2 for the PUP.

7. SUPPLEMENTAL INFORMATION.

7.1 Fuel System Defuel/Purge. Not applicable.

7.2 Operational Checkout Requirements. See attachment 1 for RDA and attachment 2 for PUP.

7.3 Weight and Balance Information. Not applicable.

7.4 Technical Manuals Affected. Not applicable.

8. RECORDS.

8.1 Action Required on Maintenance Records.

- a. Update AFTO Form 95 to show TCTO compliance.
- b. Report TCTO compliance in accordance with TO 00-20-2, Table 3-10, Rule 9.
- c. Complete attachment 3 and forward to:

System Support Branch, Logistics Section
Operational Support Facility
3200 Marshall Ave, Suite 101
Norman, Oklahoma 73072-8028

Fax number: (405) 366-6553

Or, e-mail information to:

khare@osf.noaa.gov

8.2 Action Required on Supply Records. Not applicable.

8.3 Modification Markings. Not applicable.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

Ronald R. Fogleman, General, USAF
Chief of Staff

Signed

Edward L. Berkowitz, Chief
System Support Branch
Operational Support Facility
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